

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070523\
 Data File : VY014556.D
 Acq On : 05 Jul 2023 14:20
 Operator : KP/MD
 Sample : VY0703SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0703SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/06/2023
 Supervised By : Mahesh Dadoda 07/06/2023

Quant Time: Jul 05 14:55:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.783	168	321851	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	479499	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	444896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	238266	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	166026	51.855	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.720%			
35) Dibromofluoromethane	7.710	113	154143	52.202	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.400%			
50) Toluene-d8	10.173	98	598232	51.251	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.500%			
62) 4-Bromofluorobenzene	12.477	95	207347	51.156	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.320%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	63966	25.474	ug/l	97
3) Chloromethane	2.107	50	92038	24.692	ug/l	97
4) Vinyl Chloride	2.241	62	106363	24.756	ug/l	100
5) Bromomethane	2.619	94	87244	26.187	ug/l	97
6) Chloroethane	2.772	64	65160	23.554	ug/l	98
7) Trichlorofluoromethane	3.107	101	119291	22.861	ug/l	98
8) Diethyl Ether	3.522	74	42072	21.294	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.881	101	67806	21.760	ug/l	99
10) Methyl Iodide	4.076	142	61255	17.226	ug/l	93
11) Tert butyl alcohol	4.942	59	86162	147.392	ug/l #	93
12) 1,1-Dichloroethene	3.857	96	65531	21.708	ug/l	88
13) Acrolein	3.723	56	45977	107.987	ug/l	99
14) Allyl chloride	4.466	41	92925	20.423	ug/l	89
15) Acrylonitrile	5.155	53	113258	99.853	ug/l	98
16) Acetone	3.936	43	90393	90.405	ug/l #	87
17) Carbon Disulfide	4.180	76	201875	21.944	ug/l	99
18) Methyl Acetate	4.466	43	93708	20.588	ug/l	93
19) Methyl tert-butyl Ether	5.210	73	173714	20.022	ug/l	100
20) Methylene Chloride	4.698	84	88331	21.518	ug/l	86
21) trans-1,2-Dichloroethene	5.210	96	72233	21.139	ug/l	93
22) Diisopropyl ether	6.106	45	200816	21.419	ug/l	94
23) Vinyl Acetate	6.052	43	557543	102.785	ug/l #	93
24) 1,1-Dichloroethane	6.003	63	126277	21.454	ug/l	99
25) 2-Butanone	6.978	43	143105	96.660	ug/l	95
26) 2,2-Dichloropropane	6.972	77	95679	19.072	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	79512	20.513	ug/l	93
28) Bromochloromethane	7.326	49	59253	23.975	ug/l	91
29) Tetrahydrofuran	7.344	42	98270	102.906	ug/l	92
30) Chloroform	7.496	83	129301	21.059	ug/l	94
31) Cyclohexane	7.777	56	108196	21.540	ug/l	93
32) 1,1,1-Trichloroethane	7.691	97	110570	21.069	ug/l	98
36) 1,1-Dichloropropene	7.911	75	97061	21.465	ug/l	98
37) Ethyl Acetate	7.064	43	64470	20.789	ug/l #	94
38) Carbon Tetrachloride	7.893	117	100395	21.268	ug/l	97
39) Methylcyclohexane	9.179	83	114667	21.215	ug/l	98
40) Benzene	8.155	78	285981	20.893	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	30830m	20.350	ug/l	
42) 1,2-Dichloroethane	8.228	62	86108	21.403	ug/l	95
43) Isopropyl Acetate	8.271	43	107150	20.389	ug/l #	93
44) Trichloroethene	8.935	130	79341	20.792	ug/l	96
45) 1,2-Dichloropropane	9.210	63	74968	21.350	ug/l	97
46) Dibromomethane	9.301	93	45444	21.258	ug/l	98
47) Bromodichloromethane	9.490	83	98480	20.908	ug/l	97
48) Methyl methacrylate	9.289	41	48036	20.100	ug/l #	80
49) 1,4-Dioxane	9.295	88	15642	409.767	ug/l #	63
51) 4-Methyl-2-Pentanone	10.063	43	318058	102.226	ug/l	90
52) Toluene	10.240	92	178456	20.718	ug/l	98
53) t-1,3-Dichloropropene	10.459	75	102496	20.349	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	116678	20.762	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	64871	20.855	ug/l	96
56) Ethyl methacrylate	10.508	69	84956	20.078	ug/l #	82
57) 1,3-Dichloropropane	10.782	76	105036	20.724	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	218722	106.700	ug/l	99
59) 2-Hexanone	10.825	43	227419	101.188	ug/l	88
60) Dibromochloromethane	10.977	129	75496	20.713	ug/l	100
61) 1,2-Dibromoethane	11.081	107	61995	20.414	ug/l	98
64) Tetrachloroethene	10.715	164	88111	22.155	ug/l	97
65) Chlorobenzene	11.514	112	196543	20.730	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	74738	20.740	ug/l	98
67) Ethyl Benzene	11.587	91	328876	20.341	ug/l	97
68) m/p-Xylenes	11.697	106	262642	40.952	ug/l	96
69) o-Xylene	12.026	106	120584	19.824	ug/l	98
70) Styrene	12.038	104	212894	20.343	ug/l	97
71) Bromoform	12.203	173	56141	20.507	ug/l #	99
73) Isopropylbenzene	12.325	105	322952	20.696	ug/l	99
74) N-amyl acetate	12.142	43	95998	20.383	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.575	83	82558	20.616	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	68638m	24.549	ug/l	
77) Bromobenzene	12.605	156	87686	20.573	ug/l	96
78) n-propylbenzene	12.666	91	405000	21.276	ug/l	100
79) 2-Chlorotoluene	12.752	91	228238	20.835	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	274179	20.755	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.374	75	27833	19.376	ug/l	88
82) 4-Chlorotoluene	12.849	91	238283	20.763	ug/l	97
83) tert-Butylbenzene	13.075	119	237814	20.483	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	276469	20.973	ug/l	98
85) sec-Butylbenzene	13.251	105	361487	21.100	ug/l	100
86) p-Isopropyltoluene	13.367	119	299561	20.777	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	169684	20.362	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	171372	20.520	ug/l	99
89) n-Butylbenzene	13.690	91	281457	21.124	ug/l	99
90) Hexachloroethane	13.959	117	61659	21.590	ug/l	89
91) 1,2-Dichlorobenzene	13.733	146	157762	20.900	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	15163	20.682	ug/l	92
93) 1,2,4-Trichlorobenzene	15.001	180	98302	20.163	ug/l	96
94) Hexachlorobutadiene	15.111	225	65465	21.847	ug/l	99
95) Naphthalene	15.233	128	200548	19.334	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	92047	20.721	ug/l	98

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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